

Purchase Order Receipt Listing

Monday, November 02, 2015 10:05:08 AM

All amounts are calculated in domestic currency.

All Vendors PO ID PO30309 All Receipt Dates All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

| Purchase Order ID/ Curr Type | Line Nbr/ Insp Req | Project ID | Reference/ Description/ Cert Std | PO U/M/ Stock U/M | Required Date Required Qty | Recv Date/ Recv Emp | Recv Qty (PO U/M) | Cost Per Unit/ Recv Value | Inspected Qty/ Rejected Qty (PO U/M) | MIRB Qty/ MRB Reject Qty | Book Amt |
|---|-----------------------|------------|--|----------------------|-------------------------------|------------------------|----------------------|------------------------------|--|-----------------------------|----------|
| Vendor ID/Vendor Name VC-COP001 Thyssenkrupp Materials CA Ltd | | | | | | | | | | | |
| PO30309 | 1 | | M174B1.500X02.250 f | | 11/12/2015 | 11/2/2015 | 12.0000 | | | | |
| CAD | No | | 17-4 SS Bar 1.50 | | 12.0000 | DCUSER | | \$38.37 | 0.0000 | 0 | \$460.44 |
| | | | X2.250 | | | | | \$460.44 | 0.0000 | 0 | |
| | | | m133511 | | | | | | | | |
| | 5 | | M304S16GA | sf | 11/4/2015 | 11/2/2015 | 160.0000 | \$3.00 | 0.0000 | 0 | \$480.75 |
| | No | | 304/316 Sheet .063 | sf | 160.0000 | DCUSER | | \$480.75 | 0.0000 | 0 | |
| | | | m133511 | | | | | | | | |
| | 6 | | M304S20GA | sf | 11/4/2015 | 11/2/2015 | 96.0000 | \$2.25 | 0.0000 | 0 | \$215.80 |
| | No | | 304/316 .040 Sheet | sf | 96.0000 | DCUSER | | \$215.80 | 0.0000 | 0 | |
| | | | m133511 | | | | | | | | |
| | 8 | | M6061T6B0.500X01. f | | 11/4/2015 | 11/2/2015 | 12.0000 | \$2.19 | 0.0000 | 0 | \$26.23 |
| | No | | 250 | | 12.0000 | DCUSER | | \$2.19 | 0.0000 | 0 | |
| | | | 6061-T6 Bar .500 x | f | | | | \$26.23 | 0.0000 | 0 | |
| | | | 1.25 | | | | | | | | |
| | | | m133511 | | | | | | | | |
| | 9 | | M6061T6B1.000X02. f | | 11/4/2015 | 11/2/2015 | 12.0000 | \$4.07 | 0.0000 | 0 | \$48.89 |
| | No | | 000 | | 12.0000 | DCUSER | | \$4.07 | 0.0000 | 0 | |
| | | | 6061-T6 Bar 1.00 x | f | | | | \$48.89 | 0.0000 | 0 | |
| | | | 2.00 | | | | | | | | |
| | | | m133511 | | | | | | | | |
| | 10 | | M6061T6B1.500X02. f | | 11/4/2015 | 11/2/2015 | 12.0000 | \$8.17 | 0.0000 | 0 | \$98.01 |
| | No | | 500 | | 12.0000 | DCUSER | | \$8.17 | 0.0000 | 0 | |
| | | | 6061-T6 Bar 1.50 x | f | | | | \$98.01 | 0.0000 | 0 | |
| | | | 2.50 | | | | | | | | |
| | | | m133511 | | | | | | | | |
| | 11 | | M6061T6B2.000X01. f | | 11/4/2015 | 11/2/2015 | 12.0000 | \$5.06 | 0.0000 | 0 | \$60.69 |
| | No | | 250 | | 12.0000 | DCUSER | | \$5.06 | 0.0000 | 0 | |
| | | | 6061-T6 Bar 2.00 x | f | | | | \$60.69 | 0.0000 | 0 | |
| | | | 1.25 | | | | | | | | |
| | | | m133511 | | | | | | | | |

need give same batch# when mat is rec'd. 11/15/102

| Purchase Order ID/ Curr Type | Line Nbr/ Insp | Req | Project ID | Reference/ Description/ Cert Std | PO U/M/ Stock U/M | Required Date | Receiv Date/ Receiv Emp | Receiv Qty (PO U/M) | Cost Per Unit/ Receiv Value | Inspected Qty/ Rejected Qty (PO U/M) | MIRB Qty/ MIRB Reject Qty | Book Amt |
|---------------------------------|-------------------|-----|------------|--|-------------------------------|---------------|----------------------------|------------------------|--------------------------------|--|------------------------------|----------|
| Vendor ID: Vendor Name | | | | | | | | | | | | |
| PO30309 | 13 | | | VC-COP001 | Thyssenkrupp Materials CA Ltd | | | | | | | |
| CAD | No | | | M6061T6S.063 | sf | 11/4/2015 | 11/2/2015 | 192.0000 | \$2.16 | 0.0000 | 0 | \$414.81 |
| | | | | 6061-T6 .063 Sheet | sf | 192.0000 | DCUSER | | \$414.81 | 0.0000 | 0 | |
| | | | | m133511 | | | | | | | | |
| | 14 | | | 91407-45 | | 11/4/2015 | 11/2/2015 | 1.0000 | \$0.00 | 0.0000 | 0 | \$0.00 |
| | No | | | PROCUREMENT | | 1.0000 | DCUSER | | \$0.00 | 0.0000 | 0 | |
| | | | | QUALITY CLAUSES | | | | | | | | |
| | | | | m133511 | | | | | | | | |
| Total Received Quantity: | | | | | | | | | | | | |
| Total Qty to Inspect (PO U/M): | | | | | | | | | | | | |
| Total Reject Quantity: | | | | | | | | | | | | |
| Total Receipt Value: | | | | | | | | | | | | |
| Total Balance Due Quantity: | | | | | | | | | | | | |
| 509.0000 | | | | | | | | | | | | |
| 0.0000 | | | | | | | | | | | | |
| 0.0000 | | | | | | | | | | | | |
| \$1,805.63 | | | | | | | | | | | | |
| 0.0000 | | | | | | | | | | | | |

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

B I L L O F L A D I N G

No: PEC 961589
Ship Date 02Nov15 at 13:10 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

6) Our Order PEC-862166- 6 Your PO # 30309

ALUMINUM FLAT BAR 6061-T6511

1.250" x 2.00" X 144.0000"

Heat Number

184306-1

Tag No

469556

Quantity

12 FT

PCS

1

Wt LBS

35

MTR

7) Our Order PEC-862166- 7 Your PO # 30309

ALUMINUM SHEET 6061 T6

.0640 Nom X 48.0000" X 144.0000"

Heat Number

Z-1412Y6055

Tag No

469720

Quantity

192.00 SFT

PCS

4

Wt LBS

159

MTR

8) Our Order PEC-862166- 8 Your PO # 30309

ALUMINUM FLAT BAR 6061-T6511

1.50" x 2.50" X 144.0000"

Heat Number

Z00635041

Tag No

469557

Quantity

12 FT

PCS

1

Wt LBS

53

MTR

TOTAL:

Tags

7

PCS

16

LBS

805

Heat Number

184306-1

483283

AOA004-AAB

AOA005-AAH

HK104-200

Z-1412Y6055

Z00635041

*** Chemical Analysis ***

801511-2

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

Page: 2Continued

ALUMINUM - DURAL - CUMBER - PLASTIQUE - ROIER INOX
ALUMINUM - BRASS - COPPER - PLASTICS - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION
VQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE

JC 0 ARR

781

B I L L O F L A D I N G

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

No: PEC 961589
 Ship Date 02Nov15 at 13:10 From PFW
 Probill
 Via VIM DELIVERY
 FOB CONCORD
 Frt PREPAID
 Route 0- 0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7
 Tel: 613-632-9577 Fax: 613-632-1053

B I L L O F L A D I N G

1) Our Order PEC-862166- 1 Your PO # 30309

STAINLESS STEEL SHEET 304-2B
 .0600 Nom X 48.0000" X 96.0000"

Heat Number Tag No
 AOA005-AAH 469716

Quantity PCS MTR Wt LBS
 160.00 SFT 5 385

2) Our Order PEC-862166- 2 Your PO # 30309

STAINLESS STEEL SHEET 304-2B
 .0360 Nom X 48.0000" X 96.0000"

Heat Number Tag No
 AOA004-AAH 469717

Quantity PCS MTR Wt LBS
 96.00 SFT 3 136

3) Our Order PEC-862166- 3 Your PO # 30309

ALUMINUM FLAT BAR 6061-T6511
 .187" x 4.00" X 144.0000"

B/O

4) Our Order PEC-862166- 4 Your PO # 30309

ALUMINUM FLAT BAR 6061-T6511
 .50" x 1.250" X 144.0000"

Heat Number Tag No
 483283 469554

Quantity PCS MTR Wt LBS
 12 FT 1 9

5) Our Order PEC-862166- 5 Your PO # 30309

ALUMINUM FLAT BAR 6061-T6511
 1.00" x 2.00" X 144.0000"

Heat Number Tag No
 HK104-200 469555

Quantity PCS MTR Wt LBS
 12 FT 1 28

Page: 1Continued

015-11-2
 [Signature]

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.
 ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY
 RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

DATE

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

B I L L O F L A D I N G

No: PEC 961589
Ship Date 02Nov15 at 13:10 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhcle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

B I L L O F L A D I N G

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
** REFERENCED ON IT **

TOTAL 1 BDL, 1 SKID GW. 1002 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

THYSSENKRUPP MATERIALS NA WILL CONDUCT THEIR
INVENTORY, SEPT. 24 & 25/2015. THERE WILL BE NO
CUSTOMER PICKUPS THOSE DAYS. HOWEVER, THE SALES
OFFICE WILL REMAIN OPEN.

Page: 3 Last

ALUMINIUM TITAN COUVE PLASTIQUE ACIER INOX
ALUMINIUM BRAS COPPER PLASTICS STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION
VQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT0001

DATE

THYSSENKRUPP MATERIALS NA

STAINLESS STEEL SHEET 304-2B
0600 Nom X 48.0000" X 96.0000"
PART NO.

PO/Ref 30309

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-961589-001

2Nov15
Pg 1/1



運銷鋼鐵股份有限公司
YUEN CHANG STAINLESS STEEL CO.

檢驗證明書

MILL TEST CERTIFICATE

列印日期: 2015/04/27

廠址: 荷蘭金馬中正路235號13F
13F, No. 235 Jungfeng 4th Road, Chianjin
Chi, Kaohsiung, Taiwan
TEL: 886-7-9695858 FAX: 886-7-9685768
http://www.yuenchang.com.tw

客戶名稱
Customer

Thyssenkrupp Steel Services
A Division Of Thyssenkrupp Materials Na Inc
22355 West Eleven Mile Road Southfield MI 48033 USA

DAS
14
9-89

商品描述
Desc
Of Goods

Description Of Goods And/Or Services:
Prime, Cold Rolled Stainless Steel Coil/Sheets, Slitted Edge, As Per ASTM A240/A480.
Grade 304, 2B Finish
Grade 304, No. 4 Finish, Laser PVC On One Main Side, With Back Pass
Grade 304, 2B Finish, With Paper Interleaf

| 項目 Item | 鋼捲編號 Coil No. | 爐號 Heat Number(s) | 鋼種 Steel Grade | 表面 Finish | 產品尺寸 Thickness x Width x Length (INCH) | 淨重 Net Weight (KGS) |
|------------|------------------|----------------------|-------------------|--------------|---|------------------------|
| AE004 | CCBE0004-15 | AOA010-AAD | 304 | 2B | 20GA x 48 x 96 | 1,158 |
| AE005 | CCBE0003-05 | AOA010-AAD | 304 | 2B | 20GA x 48 x 96 | 189 |
| AE001 | CCBE0004-14 | AOA010-AAD | 304 | 2B | 20GA x 48 x 96 | 971 |
| AE006 | CCWR0007-22 | AOA005-AAH | 304 | 2B | 16GA x 48 x 96 | 934 |
| AE003 | CCWR0007-23 | AOA005-AAH | 304 | 2B | 16GA x 48 x 96 | 418 |
| | CCCS0396-29 | AN0033-AAF | 304 | NO.4 | 20GA x 48 x 120 | 1,411 |

| Item | 化學成分 | | | | | | | | | | 機械性質 | | | | | | |
|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|--------|--------------|--------------------|--------------|----|-----|-------|
| | C | Si | Mn | P | S | Cr | Ni | N | Cu | Mo | Others | T.S N/MM2 | Y.S(0.2%) N/MM2 | Elong (%) | HB | HRB | HV |
| AE004 | 0.021 | 0.310 | 1.370 | 0.031 | 0.0014 | 18.240 | 8.050 | 0.074 | 0.270 | 0.100 | | 654 | 306 | 56.0 | | | 171.0 |
| AE005 | 0.021 | 0.310 | 1.370 | 0.031 | 0.0014 | 18.240 | 8.050 | 0.074 | 0.270 | 0.100 | | 652 | 311 | 56.0 | | | 170.0 |
| AE001 | 0.021 | 0.310 | 1.370 | 0.031 | 0.0014 | 18.240 | 8.050 | 0.074 | 0.270 | 0.100 | | 654 | 306 | 56.0 | | | 171.0 |
| AE006 | 0.021 | 0.270 | 1.330 | 0.030 | 0.0083 | 18.290 | 8.020 | 0.077 | 0.310 | 0.150 | | 668 | 344 | 49.0 | | | 187.0 |
| AE003 | 0.021 | 0.270 | 1.330 | 0.030 | 0.0083 | 18.290 | 8.020 | 0.077 | 0.310 | 0.150 | | 668 | 344 | 49.0 | | | 187.0 |
| | 0.018 | 0.340 | 1.390 | 0.031 | 0.0054 | 18.200 | 8.030 | 0.074 | 0.270 | 0.100 | | 643 | 280 | 60.0 | | | 166.0 |

茲證明本廠所生產之鋼捲材料均經製造及試驗，並符合規格之要求。
We hereby certify that the products described herein have been manufactured and tested with satisfactory results in accordance with the requirement of the above material specification.

本產品無縫鋼捲，並且不含汞。The material described above is free from radiation contamination and mercury.
本廠明證符合EN10204/Type 3.1認證。Inspection certificate in accordance with EN10204/Type 3.1.

本表所列產品均符合ASTM A240規格要求。All the above products conform to the requirements specified in ASTM A240.
WE HEREBY CERTIFYING THE MATERIAL TO ASTM A240/A480 AS PER EN 10204/3.1

THYSSENKRUPP MATERIALS NA PO PEC-263720, PEC-203821

YUEN CHANG STAINLESS STEEL CO., LTD.
CHIAOCHUNG, TAIWAN

ISO 9001
David Wang
QC Manager

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

.50" x 1.250" X 144.0000"

PART NO.

PO/Rel 30309

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-961589-004

2Nov15

Signed by: 

Pg 1/1



LB ALUMINIUM BERHAD
(138535-V)

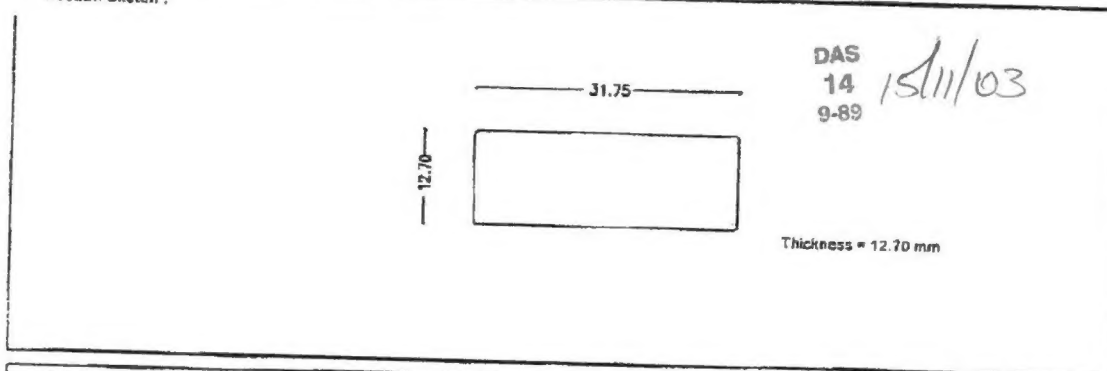


ALUMINIUM EXTRUSION

TEST CERTIFICATE

| | | |
|--|--------------------------------|----------------------------------|
| CUSTOMER: THYSSENKRUPP MATERIALS NA | SECTION NO.: PE01588MP03660 | DATE: Jan-26-2015 |
| SALES ORDER NO.: 1493872 | WORK ORDER: 483283 | ALLOY: 6061-T6511 |
| PRESS NO.: 2000 | EXTRUSION DATE: Jan-06-2015 | CERTIFICATE NO.: MCERT1500760 |
| CUSTOMER PO NO.: PEC-263562 | | |

Section Sketch:



| CHEMICAL COMPOSITION | | | | | | | | | | |
|----------------------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|----------------|
| Composition | Si | Fe | Cu | Mn | Mg | Cr | Zn | Ti | Al | Analysis Ref:- |
| Min | 0.40 | 0.00 | 0.15 | 0.00 | 0.80 | 0.04 | 0.00 | 0.00 | | |
| Max | 0.80 | 0.70 | 0.40 | 0.15 | 1.20 | 0.35 | 0.25 | 0.15 | Remainder | 75548 |
| Actual | 0.591 | 0.191 | 0.215 | 0.035 | 0.945 | 0.048 | 0.010 | 0.012 | | Nov-26-2014 |

| MECHANICAL PROPERTIES (Result shown is tested by LBALUM) | | | |
|--|---------------------------------------|-----------------------------------|-------------------|
| | Tensile Strength N/mm ² | Yield Stress N/mm ² | Elongation (%) |
| Standard | 260 | 240 | 6 |
| Result | 311.68 | 277.89 | 16.40 |

We hereby certify that the material covered by this report has been verified or tested according to the seller standard sampling method or the requirements of any specifications or requirements described herein, and that sample representative of the material met the composition limits and had the mechanical properties shown. Also, note that mercury is not a normal contaminant in aluminum alloys. Neither mercury nor any of its compounds are used in the manufacture of our extrusions. This certificate conforms to 3.1, EN 10204.

** This certificate of Analysis has been produced electronically and is valid without signature **

Lot 11, Jalan Perusahaan 1, Kawasan Perusahaan Beranang, 43700 Heranang, Selangor Darul Hisan, Malaysia.
Tel: 603-8723 8822 (15 Lines) Fax: 603-8723 3191 (General), 8723 7272 (Sales), 8727 1218 (Export)
Enquiry@lbalum.com.my www.lbalum.com

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

1.00" x 2.00" X 144.0000"

PART NO.

PO/Rel 30309

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-961589-005

2Nov15

Signed by:

Pg 1/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

| | | | | | |
|--|------------------------|----------------------------------|--|---|------------------|
| CUSTOMER PO NUMBER: PEC-270243-4 | | CUSTOMER PART NUMBER: B22/STK | | PRODUCT DESCRIPTION: 1.000 X 2.000 SC RECT BAR | |
| KAISER ORDER NUMBER: 695075 | LINE ITEM: 004 | SHIP DATE: 10/01/2015 | KAISER LOT NUMBER: HK104-200 | ALLOY: 6061 | TEMPER: T6511 |
| WEIGHT SHIPPED: 0.000 LB | QUANTITY: 0.000 PCS | B/L NUMBER: 613391 | DIAM/DAF/THKMS: | WIDTH: | LENGTH: FT |
| SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA | | | SOLD TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA | | |

Actual Physical Properties

| REFERENCE | DASH# | SAMPLE# | UTS (KSI) | YTS (KSI) | ELONG% | HARDNESS | CONDUCT. | BEND |
|-----------|-------|---------|-----------|-----------|--------|----------|----------|------|
| HK104-200 | 0001 | 1 | 51.4 | 45.7 | 18.0 | RE 91 | N/A | N/A |
| HK104-200 | 0002 | 2 | 44.7 | 36.1 | 22.0 | RE 91 | N/A | N/A |
| HK104-200 | 0003 | 3 | 54.7 | 49.5 | 14.0 | RE 93 | N/A | N/A |
| HK104-200 | 0004 | 4 | 44.1 | 36.4 | 20.0 | RE 94 | N/A | N/A |
| HK104-200 | 0005 | 5 | 44.3 | 37.1 | 18.0 | RE 90 | N/A | N/A |
| HK104-200 | 0006 | 6 | 44.2 | 37.1 | 20.0 | RE 90 | N/A | N/A |
| HK104-200 | 0007 | 7 | 44.2 | 36.9 | 20.0 | RE 97 | N/A | N/A |
| HK104-200 | 0008 | 8 | 44.6 | 37.7 | 20.0 | RE 95 | N/A | N/A |

Chemical Composition (wt%), Aluminum Remainder

| LIMITS | Si | Fe | Cu | Mn | Mg | Cr | Zn | Ti | Pb | Bi | Zr | Ea | Tot |
|---------|------|------|------|------|------|------|------|------|-----|-----|-----|------|------|
| Maximum | 0.80 | 0.70 | 0.40 | 0.15 | 1.20 | 0.35 | 0.25 | 0.15 | NA | NA | NA | 0.05 | 0.15 |
| Minimum | 0.40 | 0.00 | 0.15 | 0.00 | 0.80 | 0.04 | 0.00 | 0.00 | NA | NA | NA | 0.00 | 0.00 |
| T50811 | .60 | .22 | .26 | .07 | .83 | .05 | .01 | .00 | .00 | .00 | .00 | .00 | .00 |

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 1998 SEC1 II AMS-QQ-A-200/3 97 (REF 2012) UNS#A96061
(T6511 also conforms to T6-tem applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA (SHERMAN, TX) MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

Plant Serial: 00196228

Kaiser Order Number: 695075

Line Item: 004

Page 1 of 2

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

1.00" x 2.00" X 144.0000"

PART NO.

PO/Rel 30309

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-961589-005

2Nov15

Signed by: 

Pg 2/2

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511

1.50" x 2.50" X 144.0000"

PART NO.

PO/Rel 30309

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-961589-008

2Nov15

Pg 1/1

Signed by: 

KAISER
ALUMINUM
FABRICATED PRODUCTS

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

| | | | | | |
|--|-------------------------|----------------------------------|--|---|----------------------|
| CUSTOMER PO NUMBER: PEC-269785-3 | | CUSTOMER PART NUMBER: 470/STK | | PRODUCT DESCRIPTION: 1.500 X 2.500 SC RECT BAR | |
| KAISER ORDER NUMBER: 693752 | LINE ITEM: 003 | SHIP DATE: 09/10/2015 | KAISER LOT NUMBER: Z00635041 | ALLOY: 6061 | TEMPER: T6511 |
| WEIGHT SHIPPED: 1058.000 LB | QUANTITY: 20.000 PCS | B/L NUMBER: 613147 | DIAM/DA/ETHRNS: | WIDTH: | LENGTH: 12.000 FT |
| SHIP TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA | | | SOLD TO: THYSSENKRUPP CANADA 2821 LANGSTAFF ROAD CONCORD, ON L4K 5C6 CANADA | | |

Actual Physical Properties

| REFERENCE | DASH# | SAMPLE# | UTS (KSI) | YTS (KSI) | ELONG% | HARDNESS | CONDUCT. | BEND |
|-----------|-------|---------|-----------|-----------|--------|----------|----------|------|
| Z00635041 | 0001 | 0001 | 49.8 | 46.6 | 16.8 | RE 92 | N/A | N/A |
| Z00635041 | 0001 | 0002 | 50.4 | 47.2 | 15.7 | RE 94 | N/A | N/A |
| Z00635041 | 0001 | 0003 | 49.1 | 45.8 | 12.7 | RE 93 | N/A | N/A |

Chemical Composition (wt%), Aluminum Remainder

| LIMITS | Si | Fe | Cu | Mn | Mg | Cr | Zn | Ti | Pb | Bi | Zr | Ea | Tot |
|---------|------|------|------|------|------|------|------|------|-----|-----|-----|------|------|
| Maximum | 0.80 | 0.70 | 0.40 | 0.15 | 1.20 | 0.35 | 0.25 | 0.15 | NA | NA | NA | 0.05 | 0.15 |
| Minimum | 0.40 | 0.00 | 0.15 | 0.00 | 0.80 | 0.04 | 0.00 | 0.00 | NA | NA | NA | 0.00 | 0.00 |
| 103251 | .73 | .26 | .27 | .12 | .84 | .09 | .15 | .02 | .00 | .00 | .00 | .01 | .03 |

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 1998 SECT II AMS-QQ-A-200/8 97 (REAF 2012) UNS#A96061
(T6511 also conforms to T6 not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILITZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager



Plant Serial: 00193193

Kaiser Order Number: 693752

Line Item: 003

THYSSENKRUPP MATERIALS NA

PART AEROSPACE

STAINLESS STEEL SHEET 304-2B
0360 Nom X 48.0000" X 96.0000"
PART NO.

PO/REL 30309

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signed by:

Certificate of Mill Test Results
BL PEC-961589-002
2Nov15
Pg 1/1



運通鋼鐵股份有限公司
YUEN CHANG STAINLESS STEEL CO., LTD.

檢驗證明書

MILL TEST CERTIFICATE(S)

列印日期 ISSUE DATE: 2015/03/24

廠址: 臺南市安平區中正路235號13F
13F, No. 235 Jungfeng 4th Road, Chinjin
City, Kaohsiung, Taiwan
TEL: 886-7-9695858 FAX: 886-7-9685768
http://www.yuenchang.com.tw

DAS 14 151103

| | | |
|------------------------|--|----------------------|
| 客戶名稱 Customer | Thysssenkrupp Steel Services | |
| 商品描述 Desc. Of Goods | A Division Of Thysssenkrupp Materials NA Inc 22355 West Eleven Mile Road Southfield MI 48033 USA | |
| 項目 Item | 鋼捲編號 Coil No. | 爐號 Heat Number(s) |
| AF009 | CAAL0268-14 | DNE010-ADG |
| AF010 | CCWR0003-18 | AOA004 AAB |
| AF011 | CCWR0003-19 | AOA004 AAB |
| AF003 | CAIF0016-20 | BOA005-AFD |
| AF001 | CAIF0016-18 | BOA005-AFD |
| AF002 | CAIF0016-19 | BOA005-AFD |
| AF008 | CCYL0003-54 | AOA002-AAD |
| AF006 | CARS0019-13 | BOB006-ABD |

化學成分 Chemical Analysis (%)

| Item | C | Si | Mn | P | S | Cr | Ni | N | Cu | Mo | Others | T.S N/MM2 | YS(0.2%) N/MM2 | Elong (%) | HB | HRB | HV |
|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|--------|--------------|-------------------|--------------|----|-----|-------|
| AF009 | 0.045 | 0.480 | 1.158 | 0.037 | 0.0022 | 18.055 | 8.010 | 0.042 | 0.043 | | | 765 | 300 | 58.0 | | | |
| AF010 | 0.023 | 0.300 | 1.380 | 0.029 | 0.0112 | 18.250 | 8.040 | 0.071 | 0.310 | 0.110 | | 651 | 294 | 57.0 | | | 160.0 |
| AF011 | 0.023 | 0.300 | 1.380 | 0.029 | 0.0112 | 18.250 | 8.040 | 0.071 | 0.310 | 0.110 | | 651 | 294 | 57.0 | | | 160.0 |
| AF003 | 0.050 | 0.430 | 1.110 | 0.039 | 0.0010 | 18.300 | 8.100 | 0.040 | 0.056 | 0.098 | | 686 | 281 | 56.0 | | | 160.0 |
| AF001 | 0.050 | 0.430 | 1.110 | 0.039 | 0.0010 | 18.300 | 8.100 | 0.040 | 0.056 | 0.098 | | 686 | 281 | 56.0 | | | 160.0 |
| AF002 | 0.050 | 0.430 | 1.110 | 0.039 | 0.0010 | 18.300 | 8.100 | 0.040 | 0.056 | 0.098 | | 686 | 281 | 56.0 | | | 160.0 |
| AF008 | 0.042 | 0.510 | 0.980 | 0.033 | 0.0020 | 18.190 | 8.040 | 0.058 | | | | 644 | 280 | 54.9 | | | 83.5 |
| AF006 | 0.040 | 0.440 | 1.070 | 0.030 | 0.0020 | 18.200 | 8.000 | 0.040 | 0.188 | 0.040 | | 650 | 272 | 56.0 | | | 83.5 |

茲證明本表所列產品，均係材料經檢驗及試驗，並符合規格之要求。
We hereby certify that the products described herein have been manufactured and tested with satisfactory results in accordance with the requirements of the above material specification.
本產品經檢驗及試驗，均符合規格之要求。 The material described above is free from radiation contamination and mercury.
本證明書符合EN10204/Type 3.1 認證 - Inspection certificate in accordance with EN10204/Type 3.1.
本表所列產品均符合ASTM A240規格要求。 All the above products conform to the requirements specified in ASTM A240.
We Hereby Certifying The Material To ASTM A240/ A480 As Per EN 10204/ 3.1

For and on behalf of
YUEN CHANG STAINLESS
STEEL CO., LTD.

QC Manager

David Wang

THYSSENKRUPP MATERIALS NA

ALUMINUM PLAT BAR 6061-T6511
1.250" X 2.100" X 144.0000"
PART NO.

PO Ref 30309

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

Signed by:

BL PEC-961589-006

Certificate of Mill Test Results

2 Nov 15
Pg 1/1



A. ALUMINUM

MILL TEST

14 15/11/03
9-89

TEL: (416) 745-4444 FAX: (416) 745-0925 1-800-668-7210
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4
DAS
http://www.extrudex.com

| | | | | | | |
|--------------------------------------|---------------------------------|------|---|---------------------------------|----------------------------------|------------------------|
| BILL TO THYSSENKRUPP MATERIALS NA | CERT CODE: 9 | 0.54 | DIE NUMBER S 22772 | DATE OF SHIPMENT Sep/09/2015 | EXTRUDEX ORDER NO. 184306 - 1 | MANIFEST NO. 334556 |
| SHIP TO THYSSENKRUPP MATERIALS NA | CUSTOMER PO PEC-289358 | | ALLOY 6061 | SALESMAN FORBES DODWELL | | |
| SO DESCRIPTION 1.25"x2" FB | CUSTOMER PART NUMBER 22772-S | | TEMPER T6511 | | | |
| | | | PART DESCRIPTION 1.25"x2" FB | | | |
| | | | CERTIFICATION ASTM B221-14 - AMS OQA 200/8 | | | |

Mechanical Properties

| Lot | Alloy | Test Date | Ultimate Tensile Strength (KSI) | Yield Strength (KSI) | Percent Elongation | Hardness Rockwell F | Conductivity |
|------|-------|-------------|---------------------------------|----------------------|--------------------|---------------------|--------------|
| A.11 | 6061 | Sep/01/2015 | 42.70 | 39.10 | 14.75 | 89, 89.5, 89.3 | |

Chemical Composition

| Cast Number | Si | Fe | Cu | Mn | Mg | Cr | Ni | Zn | Ti | Ga | V | B | Zr | Bi | Pb | Su | Se | Co | Al | Other |
|-----------------|------|-------|-------|-------|------|-------|----|-------|-------|----|---|---|----|----|----|----|----|----|----|-----------------|
| A.11 29639 6061 | 0.55 | 0.235 | 0.197 | 0.057 | 0.83 | 0.057 | 0 | 0.019 | 0.027 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Remainder 0.006 |

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

David Natale
Quality Control Manager

1 - CUSTOMER COPY

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 6061 T6
.0640 Nom X 48.0000" X 144.0000"
PART NO.

PO/Rel 30309

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-961589-007

2Nov15

Signed by: 

Pg 1/3

MILL TEST REPORT

TA CHEN INTERNATIONAL, INC.

This MTR contains 3 pages (Page# 1)

Customer: COPCON PO#: PEC-269559 SO#: LJPAS4

MTR#: HECL1653.GIF

Item: 063481446061T6 Bundle: Z-1412Y6055-4 Heat#: Z-1412Y6055

HENAN MINGTAI AL. INDUSTRIAL CO., LTD

HUIGUO ZHEN, GONGYI, HENAN, CHINA 461283

TEL: 371-67998611 FAX: 371-67998612

HECL1653

MILL TEST CERTIFICATE

TO

TA CHEN INTERNATIONAL INC

5855 ODISPO AVENUE

LONG BEACH, CA 90805

TEL (562)808-8199

FAX: (562)808-8110

T7NY150103

INVOICE NO

CONTRACT NO

L48545-S/L49128-S/L49132-S/L49149-S/L49154-S/L49401-V/L49584-S/L49591-S

L49596-S/L49603-S/N07137-I/N07138-I/N07139-I/N07240-I/N07373-S/N07376-I

N07377-I/N07449-I/N07455-I/N07465-S/N07468-I/N07469-I/N07476-I

LOADING PORT

TIANJIN, CHINA

DESTINATION

NEW YORK, USA

SHIPPING MARKS

N/M

DATE

15-Jan-15

ISF NO

8FFT17979519498

DAS
14
9-89

15/11/03

DESCRIPTION OF GOODS

ALUMINUM COIL AND SHEET 3003 H14

CERTIFIED TO ALL AA, ASTM B209 - 10, AMS/QQA 250/2, AMS 4008K SPECS

ALUMINUM TREAD COIL AND PLATE 3003 H22/H24

CERTIFIED TO MINGTAI TREAD BRIGHT SPECS

ALUMINUM SHEET 5052 H32

CERTIFIED TO ALL AA, ASTM B209 - 10, AMS/QQA 250/8, AMS 4016M SPECS

ALUMINUM SHEET 6061 T6

CERTIFIED TO ASTM B209, ASME SB-209, AMS 4027M, AMS-QQ-A-250/11 SPECS

CIF NEW YORK, USA

CHEMICAL COMPOSITION

| Heat No. | Alloy/Tmp | Si | Fe | Cu | Mn | Mg | Zn | Ti | Cr | Others | Al |
|------------|-----------|-------|-------|-------|-------|--------|--------|-------|-------|--------|-----------|
| A-14124744 | 3003 H14 | 0.117 | 0.509 | 0.13 | 1.046 | 0.0019 | 0.006 | 0.026 | 0.006 | 0.15 | REMAINDER |
| A-1412822 | 3003 H14 | 0.099 | 0.569 | 0.116 | 1.111 | 0.018 | <0.001 | 0.03 | 0.01 | 0.15 | REMAINDER |
| A-1412823 | 3003 H14 | 0.081 | 0.567 | 0.109 | 1.105 | 0.016 | <0.001 | 0.03 | 0.01 | 0.15 | REMAINDER |
| A-1412836 | 3003 H14 | 0.077 | 0.571 | 0.109 | 1.106 | 0.023 | <0.001 | 0.03 | 0.008 | 0.15 | REMAINDER |
| A-1412838 | 3003 H14 | 0.084 | 0.554 | 0.122 | 1.107 | 0.016 | <0.001 | 0.031 | 0.006 | 0.15 | REMAINDER |
| A-1412856 | 3003 H14 | 0.081 | 0.562 | 0.113 | 1.162 | 0.009 | 0.002 | 0.033 | 0.006 | 0.15 | REMAINDER |
| A-1412077 | 3003 H14 | 0.085 | 0.509 | 0.105 | 1.119 | 0.013 | 0.002 | 0.032 | 0.007 | 0.15 | REMAINDER |
| A-1501781 | 3003 H14 | 0.094 | 0.552 | 0.113 | 1.113 | 0.007 | 0.002 | 0.031 | 0.006 | 0.15 | REMAINDER |
| A-1501752 | 3003 H14 | 0.11 | 0.466 | 0.103 | 1.086 | 0.002 | 0.002 | 0.041 | 0.006 | 0.15 | REMAINDER |
| A-1501733 | 3003 H14 | 0.109 | 0.496 | 0.131 | 1.162 | 0.003 | <0.001 | 0.008 | 0.004 | 0.15 | REMAINDER |
| A-1501736 | 3003 H14 | 0.107 | 0.506 | 0.13 | 1.156 | 0.003 | <0.001 | 0.016 | 0.004 | 0.15 | REMAINDER |
| A-1501737 | 3003 H14 | 0.089 | 0.467 | 0.097 | 1.101 | 0.004 | <0.001 | 0.029 | 0.005 | 0.15 | REMAINDER |
| A-1501738 | 3003 H14 | 0.079 | 0.485 | 0.09 | 1.113 | 0.005 | <0.001 | 0.029 | 0.005 | 0.15 | REMAINDER |
| A-1501739 | 3003 H14 | 0.124 | 0.518 | 0.096 | 1.124 | 0.01 | <0.001 | 0.034 | 0.005 | 0.15 | REMAINDER |
| A-1501770 | 3003 H14 | 0.09 | 0.522 | 0.094 | 1.097 | 0.006 | <0.001 | 0.03 | 0.005 | 0.15 | REMAINDER |
| A-1501771 | 3003 H14 | 0.083 | 0.48 | 0.095 | 1.12 | 0.005 | <0.001 | 0.024 | 0.005 | 0.15 | REMAINDER |
| B-14121529 | 3003 H14 | 0.121 | 0.559 | 0.119 | 1.114 | 0.012 | <0.001 | 0.034 | 0.007 | 0.15 | REMAINDER |
| B-14121530 | 3003 H14 | 0.083 | 0.552 | 0.114 | 1.11 | 0.012 | 0.002 | 0.031 | 0.005 | 0.15 | REMAINDER |
| B-14121531 | 3003 H14 | 0.077 | 0.562 | 0.106 | 1.117 | 0.014 | <0.001 | 0.031 | 0.006 | 0.15 | REMAINDER |

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 6061 T6
.0640 Nom X 48.0000" X 144.0000"
PART NO.

PO/Rel 30309

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-961589-007

2Nov15

Signed by: 

Pg 2/3

MILL TEST REPORT

TA CHEN INTERNATIONAL, INC.

This MTR contains 3 pages (Page# 2)

Customer: COPCON PO#:PEC-269559 SO#:LJPA84

MTR#:HECL1653-2.GIF

Item: 063481446061T6 Bundle:Z-1412Y6055-4 Heat#:Z-1412Y6055

DAS
14
B-89

15/11/03

HECL1653-2

| | | | | | | | | | | | |
|--------------|--------------|-------|-------|-------|-------|--------|--------|-------|--------|------|-----------|
| B-14121589 | 3003 H14 | C.118 | 0.573 | 0.115 | 1.165 | 0.02 | <0.001 | 0.032 | 0.005 | 0.15 | REMAINDER |
| B-14121593 | 3003 H14 | C.132 | 0.594 | 0.148 | 1.169 | 0.013 | 0.004 | 0.014 | 0.004 | 0.15 | REMAINDER |
| B-14121595 | 3003 H14 | C.113 | 0.54 | 0.136 | 1.183 | 0.037 | 0.006 | 0.035 | 0.006 | 0.15 | REMAINDER |
| B-14121596 | 3003 H14 | 0.119 | 0.565 | 0.124 | 1.168 | 0.007 | <0.001 | 0.010 | 0.005 | 0.15 | REMAINDER |
| B-14121601 | 3003 H14 | 0.099 | 0.571 | 0.113 | 1.115 | 0.007 | 0.002 | 0.03 | 0.007 | 0.15 | REMAINDER |
| B-14121604 | 3003 H14 | 0.096 | 0.484 | 0.124 | 1.143 | 0.007 | 0.003 | 0.05 | 0.035 | 0.15 | REMAINDER |
| B-14121606 | 3003 H14 | 0.103 | 0.516 | 0.118 | 1.161 | 0.002 | <0.001 | 0.02 | 0.035 | 0.15 | REMAINDER |
| B-14121613 | 3003 H14 | 0.101 | 0.515 | 0.121 | 1.172 | 0.007 | 0.003 | 0.013 | 0.035 | 0.15 | REMAINDER |
| B-15011127 | 3003 H14 | 0.066 | 0.516 | 0.098 | 1.13 | 0.053 | <0.001 | 0.0 | 0.037 | 0.15 | REMAINDER |
| D14*21*0 | 3003 H14 | 0.087 | 0.556 | 0.12 | 1.105 | 0.007 | <0.001 | 0.021 | 0.035 | 0.15 | REMAINDER |
| D1501027 | 3003 H14 | 0.078 | 0.469 | 0.085 | 1.137 | 0.014 | <0.001 | 0.034 | 0.035 | 0.15 | REMAINDER |
| D1501029 | 3003 H14 | 0.078 | 0.459 | 0.085 | 1.136 | 0.013 | <0.001 | 0.033 | 0.035 | 0.15 | REMAINDER |
| Z-1412Y3123 | 3003 H14 | 0.118 | 0.567 | 0.105 | 1.126 | 0.004 | 0.007 | 0.035 | 0.01 | 0.15 | REMAINDER |
| Z-1412Y3255 | 3003 H14 | 0.182 | 0.574 | 0.129 | 1.185 | 0.014 | 0.004 | 0.031 | 0.001 | 0.15 | REMAINDER |
| Z-1412Y3446 | 3003 H14 | 0.148 | 0.569 | 0.109 | 1.132 | 0.009 | 0.004 | 0.035 | 0.009 | 0.15 | REMAINDER |
| Z-1412Y3447 | 3003 H14 | 0.09 | 0.566 | 0.113 | 1.132 | 0.009 | 0.004 | 0.031 | 0.007 | 0.15 | REMAINDER |
| Z-1412Y3466 | 3003 H14 | 0.067 | 0.44 | 0.096 | 1.11 | 0.067 | 0.016 | 0.032 | 0.0055 | 0.15 | REMAINDER |
| Z-1412Y3475 | 3003 H14 | 0.121 | 0.562 | 0.121 | 1.215 | 0.01 | 0.011 | 0.042 | 0.002 | 0.15 | REMAINDER |
| Z-1412Y3488 | 3003 H14 | 0.123 | 0.526 | 0.079 | 1.039 | 0.0089 | 0.0094 | 0.029 | 0.0049 | 0.15 | REMAINDER |
| Z-1412Y3486 | 3003 H14 | 0.123 | 0.526 | 0.079 | 1.038 | 0.0089 | 0.0094 | 0.029 | 0.0049 | 0.15 | REMAINDER |
| Z-1412Y3489 | 3003 H14 | 0.121 | 0.554 | 0.086 | 1.033 | 0.0055 | 0.014 | 0.029 | 0.0055 | 0.15 | REMAINDER |
| ZB-1412YB063 | 3003 H22 | 0.08 | 0.583 | 0.118 | 1.14 | 0.022 | 0.005 | 0.031 | 0.006 | 0.15 | REMAINDER |
| Z-1412YB090 | 3003 H22/H24 | 0.163 | 0.577 | 0.092 | 1.036 | 0.0076 | 0.0057 | 0.029 | 0.0082 | 0.15 | REMAINDER |
| Z-1412YB193 | 3003 H22/H24 | 0.099 | 0.525 | 0.071 | 1.024 | 0.0049 | 0.012 | 0.026 | 0.0046 | 0.15 | REMAINDER |
| Z-1412YB197 | 3003 H22/H24 | 0.116 | 0.536 | 0.07 | 1.013 | 0.012 | 0.016 | 0.029 | 0.0051 | 0.15 | REMAINDER |
| ZB-1412YB097 | 3003 H22/H24 | 0.098 | 0.578 | 0.112 | 1.108 | 0.004 | 0.006 | 0.03 | 0.008 | 0.15 | REMAINDER |
| ZB-1412YB214 | 3003 H22/H24 | 0.092 | 0.548 | 0.069 | 1.031 | 0.0055 | 0.01 | 0.03 | 0.0046 | 0.15 | REMAINDER |
| ZB-1412Y5302 | 5052 H32 | 0.068 | 0.332 | 0.022 | 0.045 | 2.275 | 0.009 | 0.013 | 0.18 | 0.15 | REMAINDER |
| ZB-1412Y5310 | 5052 H32 | 0.108 | 0.267 | 0.031 | 0.045 | 2.319 | 0.005 | 0.014 | 0.17 | 0.15 | REMAINDER |
| ZB-1412Y5311 | 5052 H32 | 0.063 | 0.29 | 0.022 | 0.065 | 2.257 | 0.007 | 0.011 | 0.166 | 0.15 | REMAINDER |
| Z-1412Y6055 | 6061 T6 | 0.583 | 0.36 | 0.254 | 0.634 | 1.637 | 0.007 | 0.021 | 0.187 | 0.15 | REMAINDER |

MECHANICAL PROPERTY

| Heat No | Alloy/Temp | Specs (n) | Tensile strength | | Yield strength | | Elongation |
|------------|------------|-------------|------------------|-----|----------------|-----|------------|
| | | | Mpa | Ksi | Mpa | Ksi | % |
| A-14124044 | 3003 H14 | .032*48"C | 168 | 24 | 142 | 21 | 12 |
| A-1412822 | 3003 H14 | .040*48"C | 168 | 24 | 142 | 21 | 12 |
| A-1412823 | 3003 H14 | .050*48"C | 167 | 24 | 144 | 21 | 13 |
| A-1412836 | 3003 H14 | .063*48"C | 167 | 24 | 144 | 21 | 14 |
| A-1412838 | 3003 H14 | .040*48**20 | 170 | 25 | 147 | 21 | 13 |
| A-1412866 | 3003 H14 | .032*40**20 | 172 | 25 | 147 | 21 | 13 |
| A-1412877 | 3003 H14 | .090*48**20 | 174 | 25 | 145 | 21 | 13 |
| A-1501761 | 3003 H14 | .050*48"C | 171 | 25 | 145 | 21 | 11 |
| A-1501762 | 3003 H14 | .040*48"C | 169 | 25 | 144 | 21 | 12 |
| A-1501763 | 3003 H14 | .050*48"C | 172 | 25 | 146 | 21 | 12 |
| A-1501766 | 3003 H14 | .040*48"C | 169 | 25 | 142 | 21 | 12 |
| A-1501767 | 3003 H14 | .040*48"C | 169 | 25 | 143 | 21 | 12 |
| A-1501768 | 3003 H14 | .040*48"C | 172 | 25 | 143 | 21 | 11 |
| A-1501769 | 3003 H14 | .063*48"C | 167 | 24 | 147 | 21 | 12 |
| A-1501770 | 3003 H14 | .063*48"C | 173 | 25 | 142 | 21 | 13 |
| A-1501771 | 3003 H14 | .080*48"C | 168 | 24 | 143 | 21 | 12 |
| B-14121529 | 3003 H14 | .040*36"C | 169 | 25 | 143 | 21 | 12 |
| D-14121530 | 3003 H14 | .040*36"C | 166 | 24 | 146 | 21 | 13 |
| B-14121531 | 3003 H14 | .040*36"C | 167 | 24 | 142 | 21 | 14 |
| B-14121589 | 3003 H14 | .125*48"C | 171 | 25 | 141 | 20 | 12 |
| B-14121593 | 3003 H14 | .080*60*120 | 172 | 25 | 143 | 21 | 13 |

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SHEET 6061 T6
.0640 Nom X 48.0000" X 144.0000"
PART NO.

PO# 30309

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-961589-007

2Nov15

Signed by: *[Signature]*

Pg 3/3

MILL TEST REPORT

TA CHEN INTERNATIONAL, INC.

This MTR contains 3 pages (Page# 3)

Customer: COPCON PO#: PEC-269559 SO#: LJPAS4

MTR#: HECL1653-3.GIF

Item: 063481446061T6 Bundle: Z-1412Y6055-4 Heat# Z-1412Y6055

DAS
14
9-89

15/11/03

HECL1653-3

| | | | | | | | |
|--------------|--------------|------------|-----|----|-----|----|----|
| B-14121595 | 3003 H14 | 125*48*C | 173 | 26 | 142 | 21 | 12 |
| B-14121596 | 3003 H14 | 125*48*C | 172 | 25 | 142 | 21 | 11 |
| B-14121601 | 3003 H14 | 090*60*120 | 167 | 24 | 142 | 21 | 14 |
| B-14121604 | 3003 H14 | 125*48*C | 168 | 24 | 143 | 21 | 13 |
| B-14121606 | 3003 H14 | 125*48*C | 168 | 24 | 142 | 21 | 13 |
| H-14121613 | 3003 H14 | 030*60*C | 167 | 24 | 141 | 20 | 12 |
| B-15011127 | 3003 H14 | 125*60*144 | 166 | 24 | 139 | 20 | 12 |
| D1412110 | 3003 H14 | 190*60*120 | 165 | 24 | 141 | 20 | 13 |
| D1501027 | 3003 H14 | 190*48*96 | 172 | 25 | 145 | 21 | 13 |
| D1501028 | 3003 H14 | 190*48*120 | 173 | 25 | 150 | 22 | 12 |
| Z-1412Y3123 | 3003 H14 | 190*60*C | 143 | 21 | 124 | 18 | 9 |
| Z-1412Y3295 | 3003 H14 | 032*48*C | 148 | 21 | 120 | 19 | 20 |
| Z-1412Y3446 | 3003 H14 | 125*60*C | 146 | 21 | 125 | 18 | 4 |
| Z-1412Y3447 | 3003 H14 | 125*60*C | 152 | 22 | 134 | 19 | 2 |
| Z-1412Y3485 | 3003 H14 | 032*48*C | 170 | 26 | 138 | 20 | 15 |
| Z-1412Y3475 | 3003 H14 | 063*48*C | 171 | 25 | 138 | 20 | 15 |
| Z-1412Y3498 | 3003 H14 | 063*43*120 | 175 | 25 | 127 | 18 | 12 |
| Z-1412Y3498 | 3003 H14 | 063*48*144 | 175 | 25 | 127 | 18 | 12 |
| Z-1412Y3499 | 3003 H14 | 090*48*120 | 142 | 21 | 123 | 18 | 20 |
| ZB-1412Y8033 | 3003 H22 | 260*60*120 | 129 | 19 | 92 | 13 | 26 |
| Z-1412YB090 | 3003 H22/H24 | 125*60*C | 131 | 19 | 113 | 16 | 15 |
| Z-1412YB193 | 3003 H22/H24 | 125*60*120 | 130 | 19 | 101 | 15 | 20 |
| Z-1412YB197 | 3003 H22/H24 | 080*60*C | 134 | 18 | 95 | 14 | 18 |
| ZB-1412YB097 | 3003 H22/H24 | 180*48*96 | 131 | 19 | 92 | 12 | 27 |
| ZB-1412YB214 | 3003 H22/H24 | 125*48*96 | 133 | 19 | 103 | 15 | 17 |
| ZB-1412YB302 | 5052 F32 | 200*60*44 | 225 | 33 | 160 | 25 | 24 |
| ZU-1412YB31J | 5052 F32 | 375*48*96 | 222 | 32 | 159 | 25 | 31 |
| ZB-1412YB311 | 5052 F32 | 375*60*120 | 215 | 31 | 181 | 25 | 31 |
| Z-1412Y6055 | 6061 T6 | 063*48*144 | 339 | 49 | 338 | 45 | 14 |

PRODUCER: HENAN MINGTAI AL. INDUSTRIAL CO., LTD
COUNTRY OF MELT AND MANUFACTURE: CHINA

HENAN MINGTAI AL. INDUSTRIAL CO., LTD
河南明泰铝业股份有限公司

[Signature]

MATERIAL RECEIPT INSPECTION FORM

MATERIAL 304
DATE 15/11/03

PO / BATCH NO 30309/133511

MATERIAL CERT REC'D yes
QUANTITY RECEIVED 160 sf
QUANTITY INSPECTED 160 sf
QUANTITY REJECTED _____

THICKNESS ORDERED .063
THICKNESS RECEIVED .059
SHEET SIZE ORDERED 4'x8'
SHEET SIZE RECEIVED 4'x8'

| DESCRIPTION | NCR (Check Y/N) | | COMMENTS |
|--|------------------------------------|------------------------------------|----------|
| SURFACE DAMAGE | Y | <input checked="" type="radio"/> N | |
| CORRECT FINISH | <input checked="" type="radio"/> Y | N | |
| CORROSION | Y | <input checked="" type="radio"/> N | |
| CORRECT GRAIN DIRECTION | <input checked="" type="radio"/> Y | N | |
| CORRECT MATERIAL | <input checked="" type="radio"/> Y | N | |
| CORRECT THICKNESS | <input checked="" type="radio"/> Y | N | |
| PHOTO REQUIRED | Y | <input checked="" type="radio"/> N | |
| CORRECT MATERIAL | <input checked="" type="radio"/> Y | N | |
| CORRECT REF # TO LINK CERT | <input checked="" type="radio"/> Y | N | |
| CORRECT MATERIAL IDENTIFICATION | <input checked="" type="radio"/> Y | N | |
| CORRECT M# ON THE MATERIAL | <input checked="" type="radio"/> Y | N | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | Y | <input checked="" type="radio"/> N | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | Y | <input checked="" type="radio"/> N | |

| CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW | | | | | |
|---|-----|-----|-------|-------|--|
| TYPE OF MATERIAL | HRC | HRB | DUR A | DUR D | |
| SIZE OF TEST SAMPLE | | | | | |
| HARDNESS / DUROMETER READING | | | | | |

testers located in the Quality Office

QC 18 INSPECTION

ENGINEERING SIGNOFF (if required)

| | |
|---|---------------------|
| INSPECTED BY <u>DAS</u> <u>14</u> <u>9-89</u> | SIGNED OFF BY _____ |
| DATE <u>15/11/03</u> | DATE _____ |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL 304
DATE 15/11/03

PO / BATCH NO 30309/133511

MATERIAL CERT RECD yes
QUANTITY RECEIVED 96 sA
QUANTITY INSPECTED 96 sA
QUANTITY REJECTED _____

THICKNESS ORDERED .040
THICKNESS RECEIVED .036
SHEET SIZE ORDERED 4'x8'
SHEET SIZE RECEIVED 4'x8'

| DESCRIPTION | NCR (Check Y, N) | | COMMENTS |
|--|------------------------|-----|----------|
| SURFACE DAMAGE | Y | (N) | |
| CORRECT FINISH | (Y) | N | |
| CORROSION | Y | (N) | |
| CORRECT GRAIN DIRECTION | (Y) | N | |
| CORRECT MATERIAL | (Y) | N | |
| CORRECT THICKNESS | (Y) | N | |
| PHOTO REQUIRED | Y | (N) | |
| CORRECT MATERIAL | (Y) | N | |
| CORRECT REF # TO LINK CERT | (Y) | N | |
| CORRECT MATERIAL IDENTIFICATION | (Y) | N | |
| CORRECT M# ON THE MATERIAL | (Y) | N | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | Y | (N) | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | Y | (N) | |

| CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW | | | | | |
|---|-----|-----|-------|-------|--|
| TYPE OF MATERIAL | HRC | HRB | DUR A | DUR D | |
| SIZE OF TEST SAMPLE | | | | | |
| HARDNESS / DUROMETER READING | | | | | |

Testers located in the Quality Office

| | | | |
|-------------------------|-----------------|--|--|
| QC 18 INSPECTION | | ENGINEERING SIGNOFF (if required) | |
| INSPECTED BY | <u>14</u> | SIGNED OFF BY | |
| DATE | <u>15/11/03</u> | DATE | |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL 6061 T6
DATE 15/11/03

PO / BATCH NO 30369/133511

MATERIAL CERT REC'D yes
QUANTITY RECEIVED 12'
QUANTITY INSPECTED 12'
QUANTITY REJECTED _____

THICKNESS ORDERED .500X1.25
THICKNESS RECEIVED .500X1.25
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

| DESCRIPTION | NCR (Check Y,N) | | COMMENTS |
|--|-----------------------|-----|----------|
| SURFACE DAMAGE | Y | (N) | |
| CORRECT FINISH | (Y) | N | |
| CORROSION | Y | (N) | |
| CORRECT GRAIN DIRECTION | (Y) | N | |
| CORRECT MATERIAL | (Y) | N | |
| CORRECT THICKNESS | (Y) | N | |
| PHOTO REQUIRED | Y | (N) | |
| CORRECT MATERIAL | (Y) | N | |
| CORRECT REF # TO LINK CERT | (Y) | N | |
| CORRECT MATERIAL IDENTIFICATION | (Y) | N | |
| CORRECT M# ON THE MATERIAL | (Y) | N | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | Y | (N) | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | Y | (N) | |

| CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW | | | | | |
|---|-----|-----|-------|-------|--|
| TYPE OF MATERIAL | HRC | HRB | DUR A | DUR D | |
| SIZE OF TEST SAMPLE | | | | | |
| HARDNESS / DUROMETER READING | | | | | |

Testers located in the Quality Office

| QC 18 INSPECTION | | ENGINEERING SIGNOFF (if required) | |
|--|-----------------------------------|-----------------------------------|--|
| INSPECTED BY <u>DAS</u> <u>14</u> DATE <u>15/11/03</u> | SIGNED OFF BY _____ DATE _____ | | |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL 6061-T6
DATE 15/11/03

PO / BATCH NO 30309/133511

MATERIAL CERT REC'D yes
QUANTITY RECEIVED 12'
QUANTITY INSPECTED 12'
QUANTITY REJECTED _____

THICKNESS ORDERED 1.00X2.00
THICKNESS RECEIVED 1.00X2.00
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

| DESCRIPTION | NCR (Check Y/N) | | COMMENTS |
|--|----------------------------------|----------------------------------|----------|
| SURFACE DAMAGE | Y | <input checked="" type="radio"/> | |
| CORRECT FINISH | <input checked="" type="radio"/> | N | |
| CORROSION | Y | <input checked="" type="radio"/> | |
| CORRECT GRAIN DIRECTION | <input checked="" type="radio"/> | N | |
| CORRECT MATERIAL | <input checked="" type="radio"/> | N | |
| CORRECT THICKNESS | <input checked="" type="radio"/> | N | |
| PHOTO REQUIRED | Y | <input checked="" type="radio"/> | |
| CORRECT MATERIAL | <input checked="" type="radio"/> | N | |
| CORRECT REF # TO LINK CERT | <input checked="" type="radio"/> | N | |
| CORRECT MATERIAL IDENTIFICATION | <input checked="" type="radio"/> | N | |
| CORRECT M# ON THE MATERIAL | <input checked="" type="radio"/> | N | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | Y | <input checked="" type="radio"/> | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | Y | <input checked="" type="radio"/> | |

| CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK RECORD RESULTS BELOW | | | | | |
|---|-----|-----|-------|-------|--|
| TYPE OF MATERIAL | HRC | HRB | DUR A | DUR D | |
| SIZE OF TEST SAMPLE | | | | | |
| HARDNESS / DUROMETER READING | | | | | |

testers located in the Quality Office

| QC 18 INSPECTION | | ENGINEERING SIGNOFF (if required) | |
|------------------------|--|-----------------------------------|--|
| INSPECTED BY <u>14</u> | | SIGNED OFF BY _____ | |
| DATE <u>15/11/03</u> | | DATE _____ | |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL 6061-T6
DATE 15/11/03

PO / BATCH NO 30309/133511

MATERIAL CERT REC'D yes
QUANTITY RECEIVED 12'
QUANTITY INSPECTED 12'
QUANTITY REJECTED _____

THICKNESS ORDERED 1.50X2.50
THICKNESS RECEIVED 1.50X2.50
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

| DESCRIPTION | NCR (Check Y,N) | | COMMENTS |
|--|-------------------------------------|-------------------------------------|----------|
| SURFACE DAMAGE | Y | <input checked="" type="checkbox"/> | |
| CORRECT FINISH | <input checked="" type="checkbox"/> | N | |
| CORROSION | Y | <input checked="" type="checkbox"/> | |
| CORRECT GRAIN DIRECTION | <input checked="" type="checkbox"/> | N | |
| CORRECT MATERIAL | <input checked="" type="checkbox"/> | N | |
| CORRECT THICKNESS | <input checked="" type="checkbox"/> | N | |
| PHOTO REQUIRED | Y | <input checked="" type="checkbox"/> | |
| CORRECT MATERIAL | <input checked="" type="checkbox"/> | N | |
| CORRECT REF # TO LINK CERT | <input checked="" type="checkbox"/> | N | |
| CORRECT MATERIAL IDENTIFICATION | <input checked="" type="checkbox"/> | N | |
| CORRECT M# ON THE MATERIAL | <input checked="" type="checkbox"/> | N | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | Y | <input checked="" type="checkbox"/> | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | Y | <input checked="" type="checkbox"/> | |

| CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW | | | | | |
|---|-----|-----|-------|-------|--|
| TYPE OF MATERIAL | HRC | HRB | DUR A | DUR D | |
| SIZE OF TEST SAMPLE | | | | | |
| HARDNESS / DUROMETER READING | | | | | |

Testers located in the Quality Office

| QC 18 INSPECTION | | ENGINEERING SIGNOFF (if required) | |
|-------------------------|-------------|-----------------------------------|--|
| INSPECTED BY <u>DAG</u> | <u>14</u> | SIGNED OFF BY _____ | |
| DATE <u>15/11/03</u> | <u>9-89</u> | DATE _____ | |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL 6061T6
DATE 15/11/03

PO / BATCH NO 30309/133511

MATERIAL CERTIFIED yes
QUANTITY RECEIVED 12'
QUANTITY INSPECTED 12'
QUANTITY REJECTED _____

THICKNESS ORDERED 2.00X1.25
THICKNESS RECEIVED 2.00X1.25
SHEET SIZE ORDERED _____
SHEET SIZE RECEIVED _____

| DESCRIPTION | NCR (Check Y/N) | COMMENTS |
|--|-----------------------|----------|
| SURFACE DAMAGE | Y (N) | |
| CORRECT FINISH | (Y) N | |
| CORROSION | Y (N) | |
| CORRECT GRAIN DIRECTION | (Y) N | |
| CORRECT MATERIAL | (Y) N | |
| CORRECT THICKNESS | (Y) N | |
| PHOTO REQUIRED | Y (N) | |
| CORRECT MATERIAL | (Y) N | |
| CORRECT REF # TO LINK CERT | (Y) N | |
| CORRECT MATERIAL IDENTIFICATION | (Y) N | |
| CORRECT REF # ON THE MATERIAL | (Y) N | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | Y (N) | |
| DOES THIS REQUIRE AN EXTENSION REPORT | Y (N) | |

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK
RECORD RESULTS BELOW

| | HRC | HRB | DUR A | DUR D |
|----------------------------|-----|-----|-------|-------|
| TYPE OF MATERIAL | | | | |
| SIZE OF TEST SAMPLE | | | | |
| HARDNESS DUROMETER READING | | | | |

testers located in the Quality Office

QC 18 INSPECTION

ENGINEERING SIGNOFF (if required)

INSPECTED BY 14

SIGNED OFF BY _____

DATE 15/11/03

DATE _____

Attach this inspection sheet with the corresponding material cert and send to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL 6061 T6
DATE 15/11/03

PO - BATCH NO 30309/133501

MATERIAL CERT RECD 463
QUANTITY RECEIVED 192 SA
QUANTITY INSPECTED 192 SA
QUANTITY REJECTED _____

THICKNESS ORDERED .063
THICKNESS RECEIVED .060
SHEET SIZE ORDERED 4'X12'
SHEET SIZE RECEIVED 4'X12'

| DESCRIPTION | NCR (Check Y/N) | | COMMENTS |
|--|------------------------------------|------------------------------------|----------|
| SURFACE DAMAGE | Y | <input checked="" type="radio"/> N | |
| CORRECT FINISH | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | |
| CORROSION | Y | <input checked="" type="radio"/> N | |
| CORRECT GRAIN DIRECTION | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | |
| CORRECT MATERIAL | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | |
| CORRECT THICKNESS | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | |
| PHOTO REQUIRED | Y | <input checked="" type="radio"/> N | |
| CORRECT MATERIAL | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | |
| CORRECT COLOR/PAINT/CURE | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | |
| CORRECT MATERIAL IDENTIFICATION | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | |
| CORRECT M# ON THE MATERIAL | <input checked="" type="radio"/> Y | <input checked="" type="radio"/> N | |
| DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF | Y | <input checked="" type="radio"/> N | |
| DOES THIS REQUIRE AN EXTRUSION REPORT | Y | <input checked="" type="radio"/> N | |

| CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK RECORD RESULTS BELOW | | | | |
|---|-----|-----|-------|-------|
| TYPE OF MATERIAL | HRC | HRB | DUR A | DUR D |
| SIZE OF TEST SAMPLE | | | | |
| HARDNESS - DUROMETER READING | | | | |

Testers located in the Quality Office

| QC 18 INSPECTION | | ENGINEERING SIGNOFF (if required) | |
|------------------|--|-----------------------------------|--|
| INSPECTED BY | <u>DAS</u> <u>14</u> <u>9-89</u> | SIGNED OFF BY | |
| DATE | <u>15/11/03</u> | DATE | |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30309**

Purchase Order Date 10/29/2015

PO Print Date 10/29/2015

Page Number 1 of 7

Order From :

VC-COP001

Ship To : DART AEROSPACE LTD

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

FAXED

Contact Name

Vendor Phone

905 669 9444

Ship To Contact

Ship To Phone

Ship Via:

VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

| Line Nbr | Reference Vendor Part Number Line Comments Delivery Comments | Description/ Mfg ID | Req Date/ Taxable Promise Date | CD | Req Qty/ Unit of Measure | PO Unit Price | Extended Price |
|--|---|-------------------------|--------------------------------------|----|--------------------------------|---------------|-------------------|
| 1 | M174B1.500X02.250 <i>not used</i> | 17-4 SS Bar 1.50 X2.250 | 11/12/2015 Yes 11/12/2015 | | 12.00 ✓ f | \$51.21 | \$614.50 |
| MATERIAL: 17-4 PH SS BAR AS PER AMS 5604 / 5643 GRAIN DIRECTION MUST BE ALONG LENGTH MINIMUM YIELD TENSILE STRENGTH = 100KSI MINIMUM ULTIMATE TENSILE = 150 KSI | | | | | | | |
| SP15-11-2. | | | | | | | |
| Line Total: | | | | | | | \$614.50 |
| 2 | M2024T3S.040 | 2024-T3 .040 sheet | 11/4/2015 Yes 11/4/2015 | | 48.00 sf | \$4.06 | \$195.00 |
| MATERIAL: 2024-T3 ALUMINUM SHEET AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209 | | | | | | | |
| Line Total: | | | | | | | \$195.00 |

PO Instructions: quotation # PEC ST-860534 and
PEC ST-862074

Note:

10/29/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO30309

Purchase Order Date 10/29/2015

PO Print Date 10/29/2015

Page Number 2 of 7

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone

905 669 9444

Ship To Contact

Ship To Phone

Ship Via:

VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

| | | | | | | |
|---|--------------|--------------------|-----------|------|--------|--------|
| 3 | M2024T3S.063 | 2024-T3 .063 sheet | 11/4/2015 | 0.00 | \$0.00 | \$0.00 |
| | | | Yes | sf | | |
| | | | 11/4/2015 | | | |

MATERIAL: 2024-T3 ALUMINUM SHEET
AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037
OR ASTM B209

| | | | | | | |
|--|--------------|--|-----------|--------|--------|----------|
| | M2024T3S.063 | | 11/4/2015 | 144.00 | \$4.69 | \$675.00 |
| | | | | sf | | |
| | | | 11/4/2015 | | | |

Line Total: \$675.00

| | | | | | | |
|---|------------------|-----------------|-----------|-------|---------|----------|
| 4 | M303B1.000X1.000 | 303 BAR 1" X 1" | 11/4/2015 | 12.00 | \$19.51 | \$234.13 |
| | | | Yes | f | | |
| | | | 11/4/2015 | | | |

MATERIAL: AISI 303 SS BAR AS PER ASTM A582
NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$234.13

PO Instructions: quotation # PEC ST-860534 and
PEC ST-862074

Note:

10/29/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30309**

Purchase Order Date 10/29/2015

PO Print Date 10/29/2015

Page Number 3 of 7

Order From :

VC-COP001

THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

| | | | | | | |
|---|-------------|--------------------|-------------------------------|--------------|--------|----------|
| 5 | M304S16GA ✓ | 304/316 Sheet .063 | 11/4/2015 Yes 11/4/2015 | 160.00 sf | \$4.01 | \$641.60 |
|---|-------------|--------------------|-------------------------------|--------------|--------|----------|

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR ASME SA240

Line Total: \$641.60

| | | | | | | |
|---|-------------|--------------------|-------------------------------|-------------|--------|----------|
| 6 | M304S20GA ✓ | 304/316 .040 Sheet | 11/4/2015 Yes 11/4/2015 | 96.00 sf | \$3.00 | \$288.00 |
|---|-------------|--------------------|-------------------------------|-------------|--------|----------|

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR ASME SA240

SP 12-11-2

Line Total: \$288.00

PO Instructions: quotation # PEC ST-860534 and
PEC ST-862074

Note:

10/29/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO30309

Purchase Order Date 10/29/2015

PO Print Date 10/29/2015

Page Number 4 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 905 669 9444

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

| | | | | | | |
|---|----------------------|-------------------------|-----------|-------|--------|---------|
| 7 | M6061T6B0.187X04.000 | 6061-T6 Bar .187 x 4.00 | 11/4/2015 | 12.00 | \$2.92 | \$35.00 |
| | | Yes | | f | | |
| | | 11/4/2015 | | | | |

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$35.00

| | | | | | | |
|---|----------------------|-------------------------|-----------|-------|--------|---------|
| 8 | M6061T6B0.500X01.250 | 6061-T6 Bar .500 x 1.25 | 11/4/2015 | 12.00 | \$2.92 | \$35.00 |
| | | Yes | | f | | |
| | | 11/4/2015 | | | | |

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$35.00

| | | | | | | |
|---|----------------------|-------------------------|-----------|-------|--------|---------|
| 9 | M6061T6B1.000X02.000 | 6061-T6 Bar 1.00 x 2.00 | 11/4/2015 | 12.00 | \$5.44 | \$65.25 |
| | | Yes | | f | | |
| | | 11/4/2015 | | | | |

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

PO Instructions: quotation # PEC ST-860534 and
PEC ST-862074

Note:

10/29/2015

SP 15-11-2



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30309**

Purchase Order Date 10/29/2015

PO Print Date 10/29/2015

Page Number 5 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Line Total: \$65.25

10 M6061T6B1.500X02.500 6061-T6 Bar 1.50 x 2.50 11/4/2015
Yes
11/4/2015

12.00 ✓
f \$10.90 \$130.80

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$130.80

11 M6061T6B2.000X01.250 6061-T6 Bar 2.00 x 1.25 11/4/2015
Yes
11/4/2015

12.00 J
f \$6.75 \$81.00

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$81.00

PO Instructions: quotation # PEC ST-860534 and
PEC ST-862074

Note:

10/29/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30309**

Purchase Order Date 10/29/2015

PO Print Date 10/29/2015

Page Number 6 of 7

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

| | | | |
|------------------------|----------------|-----------------------|----------------------|
| Contact Name | | Buyer | Chantal Lavoie |
| Vendor Phone | 905 669 9444 | Customer POID | |
| Ship To Contact | | Customer Tax # | 10127-2607 |
| Ship To Phone | | Terms | Net 30 |
| Ship Via: | VENDOR'S TRUCK | Currency | CAD |
| Ship Acct: | | FOB | FCA - (Free Carrier) |

| | | | | | | |
|----|--------------|--------------------|-----------|-------|--------|----------|
| 12 | M6061T6S.040 | 6061-T6 .040 Sheet | 11/4/2015 | 96.00 | \$4.95 | \$475.20 |
| | | | Yes | sf | | |
| | | | 11/4/2015 | | | |

MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER
QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
OR ASTM B209

Line Total: \$475.20

| | | | | | | |
|----|--------------|--------------------|-----------|--------|--------|----------|
| 13 | M6061T6S.063 | 6061-T6 .063 Sheet | 11/4/2015 | 192.00 | \$2.88 | \$553.60 |
| | | | Yes | sf | | |
| | | | 11/4/2015 | | | |

MATERIAL: 6061-T6/T62 ALUMINUM SHEET AS PER
QQ-A-250/11 OR AMS-QQ-A-250/11 OR AMS 4025 OR AMS 4027
OR ASTM B209

Line Total: \$553.60

PO Instructions: quotation # PEC ST-860534 and
PEC ST-862074

Note:

10/29/2015



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO30309**

Purchase Order Date 10/29/2015

PO Print Date 10/29/2015

Page Number 7 of 7

Order From :
VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

| | | | |
|------------------------|----------------|-----------------------|----------------------|
| Contact Name | | Buyer | Chantal Lavoie |
| Vendor Phone | 905 669 9444 | Customer POID | |
| Ship To Contact | | Customer Tax # | 10127-2607 |
| Ship To Phone | | Terms | Net 30 |
| Ship Via: | VENDOR'S TRUCK | Currency | CAD |
| Ship Acct: | | FOB | FCA - (Free Carrier) |

| | | | | | | | |
|----|----------|--------------------------------|-----------|------|---|--------|--------|
| 14 | 71401-45 | PROCUREMENT QUALITY CLAUSES | 11/4/2015 | 1.00 | ✓ | \$0.00 | \$0.00 |
|----|----------|--------------------------------|-----------|------|---|--------|--------|

Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

No
11/4/2015

8815-11-2

Line Total: \$0.00

PO Total: \$4,024.08

PO Instructions: quotation # PEC ST-860534 and
PEC ST-862074

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 2

Change Date: 10/29/2015